Ochelebe Joseph Okwu

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Professional Summary:

Skilled and versatile tech professional with over 6 years of experience in data science, machine learning, and cloud engineering. Specialized in Python programming, Google Cloud Platform (GCP) infrastructure, and prompt engineering for AI applications. Known for creating efficient, robust solutions that leverage machine learning models and scalable cloud architectures. Adept at integrating advanced NLP techniques for prompt engineering and AI optimization. Passionate about innovation, I excel in high-impact projects across data-driven, cloud-enabled environments.

Technical Skills:

- Programming Languages: Python (Advanced)

- Data Science & Machine Learning: Model Development, Data Preprocessing, Feature Engineering, Data Visualization, Statistical Analysis, Predictive Modeling

- Cloud Engineering: Google Cloud Platform (GCP) - Core Infrastructure (Junior Level)

- Tools & Technologies: Pandas, NumPy, TensorFlow, Scikit-Learn, Matplotlib, Seaborn, Google Cloud SDK

- Prompt Engineering: Generative AI Prompt Design, NLP Prompt Tuning, Fine-Tuning Large Language Models, Prompt Optimization Techniques

- Soft Skills: Critical Thinking, Communication, Adaptability, Problem Solving, Team Collaboration

Professional Experience:

Prompt Engineering, Data Science & Machine Learning Engineer (Freelance)
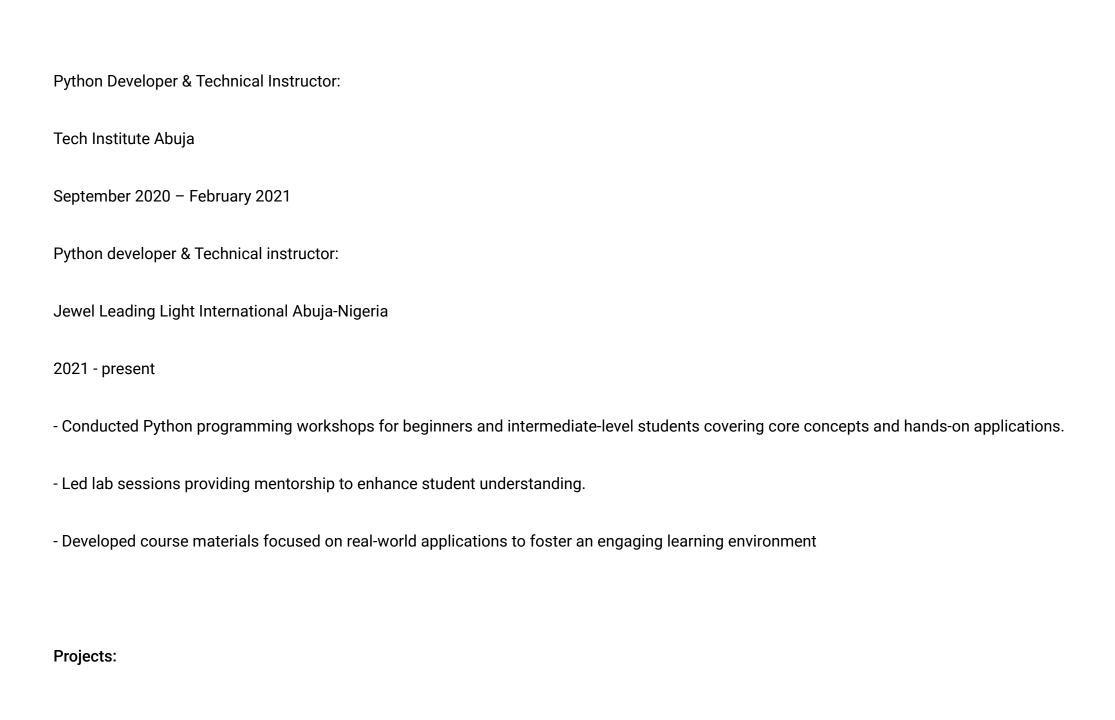
Remote

March 2021 – Present

- Developed and deployed predictive models using Python, TensorFlow, and Scikit-Learn, improving client decision-making capabilities by transforming raw data into actionable insights.

- Conducted thorough data analysis and pre-processing to ensure high-quality results.

- Collaborated with cross-functional teams to translate client requirements into technical solutions through data-driven insights and visualizations.

- Established key objectives with clients while applying prompt engineering principles to create effective prompts that drive engagement.

Junior Google Cloud Platform (GCP) Engineer:

Contract Position, Remote

October 2022 – August 2023

- Assisted in the design and maintenance of cloud infrastructure using GCP with a focus on core components and cost optimization strategies.

- Managed cloud resources and storage while supporting network setup and configuration to enhance security and efficiency.

- Engaged in training on best practices in cloud security and automation to support scaling across projects.

Python Developer & Technical Instructor:

Tech Institute Abuja

September 2020 – February 2021

Python developer & Technical instructor:

Jewel Leading Light International Abuja-Nigeria

2021 - present

- Conducted Python programming workshops for beginners and intermediate-level students covering core concepts and hands-on applications.

- Led lab sessions providing mentorship to enhance student understanding.

- Developed course materials focused on real-world applications to foster an engaging learning environment

Projects:

1. Heart Disease Diagnosis Application Model:

 - Developed a machine learning model to predict heart disease with an accuracy of 98.50%.

2. Breast Cancer Diagnosis Application Model:

 - Created a predictive model achieving 99% accuracy for breast cancer diagnosis.

3. Epileptic Brain Seizures Recognition Model:

 - Designed a model that recognizes epileptic seizures with an accuracy of 88%.

4. Flask RESTful API for Product Management:

 - Developed a RESTful API to manage product information with features for creating, reading, updating, and deleting records.

5. Medical Assistant Chatbot:

 - Built an interactive chatbot using OpenAI API that diagnoses patients based on symptoms and provides expert recommendations.

6. Generative AI Prompt Engineering for Customer Support:

- Developed optimized prompts for AI-based customer service chatbots resulting in a 25% improvement in response accuracy.

Education:

National Diploma in Public Administration

Federal Polytechnic Bida, Niger State, Nigeria

Graduated: 2016

Professional Certifications:

- Google Cloud Platform: Foundations of Core Infrastructure – Google Cloud

- Machine Learning Specialization – Coursera (DeepLearning.AI)

- Google Professional Machine Learning Engineer Certification (in progress)

References:

Available upon request.